

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	502	423/447.2.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/09/29 02:47
L2	354	1 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/29 02:47
L4	169	2 AND (nematic OR gel\$ OR film\$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/29 02:48
L5	1	2 AND (nematic)	US-PGPUB; USPAT	ADJ	OFF	2008/09/29 02:48
S1	19	("20020046872"   "20020058743"   "20020068170"   "20020090501"   "20020161101"   "20020185770"   "20020197923"   "20030077515"   "20030122111"   "20030126502"   "20030151030"   "20030158323"   "20030164427"   "20030236588"   "20040029706"   "5908585"   "6576341"   "6617377"   "6689835").PN.	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 13:48
S2	1	"20020113335".PN.	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 13:51
S3	778	435/287.9.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 14:09
S4	1902	524/495.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 14:09
S5	821	257/415.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 14:09
S6	1902	524/495.ccls.	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 14:09
S7	2	dispersion WITH (aqueous medium) WITH (carbon nanotube\$) WITH surfactant	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 14:15
S8	6	dispersion WITH (water) WITH (carbon nanotube\$) WITH surfactant	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 14:18
S9	0	S8 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 14:42
S10	2359	(S1 S3 S4 S5 S6) AND @ad<="20020910"	US-PGPUB; USPAT	OR	OFF	2008/08/05 14:43

S11	42	S10 AND carbon nanotube\$	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 14:43
S12	15	S11 AND gel	US-PGPUB; USPAT	ADJ	OFF	2008/08/05 15:59
S16	10	("20060051556" OR "20060228521" OR "20070116908" OR "20060021310" OR "20070204580" OR "20070212517" OR "20080083202" OR "20070178275" OR "20070196620" OR "20050272602").pn.	US-PGPUB; USPAT	ADJ	OFF	2008/08/10 11:47
S17	164	(dispers\$4 OR suspen\$4) WITH (aqueous OR water) WITH surfactant WITH (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofuber\$ OR nanotoroid\$)	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 14:48
S18	54	S17 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 14:48
S19	0	S18 AND (hexylbenzene OR octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 14:51
S20	2	(dispers\$4 OR suspen\$4) WITH (aqueous OR water) WITH ((hexylbenzene OR octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate) WITH (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofuber \$ OR nanotoroid\$)	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 14:51
S21	8	(dispers\$4 OR suspen\$4) WITH (aqueous OR water) WITH NaDDBS WITH (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofuber\$ OR nanotoroid\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 14:54
S22	0	S21 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 14:54
S23	10	NaDDBS WITH (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofuber \$ OR nanotoroid\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 17:10
S24	0	S23 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:11

S25	9	((NaDDBS OR hexylbenzene OR octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate) WITH (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofuber \$ OR nanotoroid\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 17:11
S26	16	(NaDDBS OR ((hexylbenzene OR octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate)) WITH (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofuber \$ OR nanotoroid\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 17:12
S27	0	S26 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:12
S28	2450	(NaDDBS OR ((hexylbenzene OR octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate)) WITH surfactant \$	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 17:14
S29	1426	S28 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:14
S30	2305	(NaDDBS OR ((hexylbenzene OR octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate)) WITH surfactant \$	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:14
S31	1426	S30 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:14
S32	15	(NaDDBS) WITH surfactant\$	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:15
S33	0	S32 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:15
S34	1698	(NaDDBS OR ((hexylbenzene OR sodium (octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate)) WITH surfactant \$	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:16
S35	1052	S34 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:16
S36	857	S35 AND carbon	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:17

S37	16	(NaDDBS OR ((hexylbenzene OR octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate)) WITH (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofiber\$ OR nanotoroid\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 17:25
S38	0	S37 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:26
S39	2630	alkyl benzene sulfonate AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:34
S40	2043	S39 AND (surfactant OR wetting agent)	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:34
S41	0	S40 AND (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofiber\$ OR nanotoroid\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 17:35
S42	44	benzenesulfonate\$ AND (CNT OR SWNT OR MWNT OR DWNT OR nanotube\$ OR nanofiber\$ OR nanotoroid\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 17:45
S43	4	S42 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:45
S44	19	("20020046872"   "20020058743"   "20020068170"   "20020090501"   "20020161101"   "20020185770"   "20020197923"   "20030077515"   "20030122111"   "20030126502"   "20030151030"   "20030158323"   "20030164427"   "20030236588"   "20040029706"   "5908585"   "6576341"   "6617377"   "6689835").PN.	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:47
S45	14	S44 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:48
S46	4	S45 AND (surfactant OR wetting agent)	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:48
S47	12	S45 AND (dispers\$4 OR suspen\$4)	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:49
S48	0	(NaDDBS OR ((hexylbenzene OR sodium (octylbenzene OR dodecylbenzene OR hexadecylbenzene) sulfonate)) AND S45	US-PGPUB; USPAT	ADJ	OFF	2008/08/12 17:53

S49	0	benzenesulfonate\$ AND S45	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	OFF	2008/08/12 17:53
S50	36	calixarene\$ WITH nano\$7	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 14:30
S51	13	S50 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 14:30
S52	5	resorcinarene\$ WITH nano \$7	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 14:33
S53	2	S52 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 14:33
S54	31	calixarene WITH (surfactant \$ OR dispers\$4)	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 14:40
S55	11	S54 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 14:40
S56	1	"20030133865".pn.	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 21:06
S57	9	(US-20030122111-\$ or US- 20020113335-\$ or US- 20030100653-\$ or US- 20030083421-\$ or US- 20030077515-\$ or US- 20020185770-\$ or US- 20030061965-\$).did. or (US- 6764540-\$ or US-6899947- \$).did.	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 22:32
S58	2	S57 AND (electro\$6 WITH separat\$4)	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 22:33
S59	3	S57 AND (electro\$8 WITH separat\$4)	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 22:33
S60	258	electrophor\$8 WITH (carbon nanotube\$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 23:05
S61	50	S60 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 23:07
S62	35	electrophor\$8 WITH (carbon nanotube\$) WITH dispers\$4	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 23:09
S63	6	S62 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 23:09
S64	44	S61 NOT S63	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 23:14
S65	10	electrophor\$8 WITH (carbon nanotube\$) WITH (length\$ OR shape\$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 23:15
S66	1	S65 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/17 23:15

S67	15	(US-20030122111-\$ or US-20020113335-\$ or US-20030100653-\$ or US-20030083421-\$ or US-20030077515-\$ or US-20020185770-\$ or US-20030061965-\$ or US-20020172639-\$ or US-20040039717-\$ or US-20020179428-\$ or US-20020069505-\$ or US-20030133865-\$).did. or (US-6764540-\$ or US-6899947-\$ or US-6889216-\$).did.	US-PGPUB; USPAT	ADJ	OFF	2008/09/18 14:53
S69	7	S68 AND (powder\$ OR film\$ OR particle\$ OR pellet\$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/18 14:54
S72	15	(US-20030122111-\$ or US-20020113335-\$ or US-20030100653-\$ or US-20030083421-\$ or US-20030077515-\$ or US-20020185770-\$ or US-20030061965-\$ or US-20020172639-\$ or US-20040039717-\$ or US-20020179428-\$ or US-20020069505-\$ or US-20030133865-\$).did. or (US-6764540-\$ or US-6899947-\$ or US-6889216-\$).did.	US-PGPUB; USPAT	ADJ	OFF	2008/09/19 19:10
S73	5	S72 AND (self\$assembl\$3 OR self\$align\$4)	US-PGPUB; USPAT	ADJ	OFF	2008/09/19 19:11
S74	15	(US-20030122111-\$ or US-20020113335-\$ or US-20030100653-\$ or US-20030083421-\$ or US-20030077515-\$ or US-20020185770-\$ or US-20030061965-\$ or US-20020172639-\$ or US-20040039717-\$ or US-20020179428-\$ or US-20020069505-\$ or US-20030133865-\$).did. or (US-6764540-\$ or US-6899947-\$ or US-6889216-\$).did.	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 09:10
S76	9	S74 AND substrate\$	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 09:19
S78	25	substrate\$ WITH (carbon nanotube\$) WITH surfactant \$	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 09:28

S79	0	substrate\$ WITH (carbon nanotube\$) WITH surfactant \$ WITH (self\$align\$4 OR self \$assembl\$4)	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 09:29
S80	6	S78 AND @ad<="20020910"	US-PGPUB; USPAT	OR	OFF	2008/09/21 09:30
S81	2	substrate\$ SAME ((carbon nanotube\$) WITH surfactant \$) SAME (self\$align\$4 OR self \$assembl\$4)	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 09:31
S82	17	substrate\$ SAME ((carbon nanotube\$) WITH surfactant \$) AND (self\$align\$4 OR self \$assembl\$4)	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 09:33
S83	0	substrate\$ SAME ((carbon nanotube\$) WITH surfactant \$) A	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 09:37
S84	48	substrate\$ SAME ((carbon nanotube\$) WITH surfactant \$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 09:37
S85	12	S84 AND @ad<="20020910"	US-PGPUB; USPAT	OR	OFF	2008/09/21 09:37
S86	272	(carbon nanotube\$) WITH (sens\$3 OR detect\$3) WITH (chemical OR biological OR DNA OR glucose OR insulin OR cancer)	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 12:03
S87	32	S86 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 12:03
S88	6	S87 AND proton\$	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 12:07
S89	19	S87 AND functional\$5	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 12:07
S90	2	S88 AND S89	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 12:08
S91	14	S89 AND (film\$ OR matrix OR matrices OR gel\$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/21 12:22
S92	0	(carbon nanotube) WITH nematic gel	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:34
S93	0	(carbon nanotube\$) WITH nematic gel	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:35
S94	232	(carbon nanotube\$) WITH gel	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:35
S95	28	S94 AND @ad<="20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:35
S96	0	S95 AND (initiator OR accelerator)	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:36
S97	2459	(carbon nanotube\$) WITH (film OR dispersion)	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:36

S98	368	S97 AND @ad< = "20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:36
S99	13	S98 AND (initiator OR accelerator)	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:37
S100	0	S98 AND volumetric phase transition	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:57
S101	0	S98 AND volume phase transition	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 00:58
S102	27	capillary SAME nanotube SAME (gel\$ OR film\$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/28 22:26
S103	7	S102 AND @ad< = "20020910"	US-PGPUB; USPAT	OR	OFF	2008/09/28 22:27
S104	135	magnetic SAME nanotube SAME (gel\$ OR film\$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/29 00:07
S105	29	S104 AND @ad< = "20020910"	US-PGPUB; USPAT	OR	OFF	2008/09/29 00:08
S106	47	magnetic field SAME nanotube SAME (gel\$ OR film \$)	US-PGPUB; USPAT	ADJ	OFF	2008/09/29 00:09
S107	13	S106 AND @ad< = "20020910"	US-PGPUB; USPAT	OR	OFF	2008/09/29 00:09
S108	35	((needle\$ OR needle\$6) WITH nanotube) SAME (align \$6 OR assembl\$6 OR orient \$6)	US-PGPUB; USPAT	ADJ	OFF	2008/09/29 01:26
S109	10	S108 AND @ad< = "20020910"	US-PGPUB; USPAT	ADJ	OFF	2008/09/29 01:27

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